CONTENTS OF VOLUME 46

NUMBER 1

Original Contributions

1 HUMAN LEUKOCYTE GLUTATHIONE *S*-TRANSFERASE ISOZYME (CLASS MU) AND SUSCEPTIBILITY TO SMOKING-RELATED CANCERS **Madhusudan G. Soni, T. Prasanna Krishna, and Kamala Krishnaswamy**

9 INFLAMMATORY AND FIBROTIC MEDIATOR RELEASE BY ALVEOLAR MACROPHAGES FROM COAL MINERS **Douglas C. Kuhn, John L. Stauffer, Lesley J. Gaydos, and Laurence M. Demers**

23 EFFECT OF OXYGEN CONCENTRATION ON PRODUCTION OF ETHANE AND THIOBARBITURIC ACID-REACTIVE SUBSTANCES BY PEROXIDIZING LUNG AND LIVER HOMOGENATES AND FORMATION OF ETHANOL BY PEROXIDIZING DOCOSAHEXAENOIC ACID PREPARATIONS UNDER HYPEROXIC CONDITIONS **M. D. Schweich, J. Gosselain, D. Lison, and R. Lauwerys**

31 DIMETHYLNITROSAMINE-INDUCED DNA DAMAGE AND TOXIC CELL DEATH IN CULTURED MOUSE HEPATOCYTES **Lisa M. Kamendulis and George B. Corcoran**

47 CHARACTERIZATION OF BENZO[a]PYRENE METABOLISM AND RELATED CYTOCHROME P-450 ISOZYMES IN SYRIAN HAMSTER LIVERS **Buxiang Sun, Morio Fukuhara, and Akira Takanaka**

57 HEMATOLOGICAL EFFECTS OF 1,3,5-TRINITROBENZENE (TNB) IN RATS IN VIVO AND IN VITRO **A. M. Sundeep Chandra, Charles W. Qualls, Jr., Gunda Reddy, and James H. Meinkoth**

73 LUMINAL AND BASOLATERAL MECHANISMS INVOLVED IN THE RENAL TUBULAR UPTAKE OF INORGANIC MERCURY **Rudolfs K. Zalups and Kenneth H. Minor**

101 RELATIONSHIPS AMONG PETROLEUM REFINING, WATER AND SEDIMENT CONTAMINATION, AND FISH HEALTH **Ronald L. Kuehn, K. Darrell Berlin, William E. Hawkins, and Gary K. Ostrander**

117 AN ALGORITHM FOR PREDICTING TISSUE : BLOOD PARTITION COEFFICIENTS OF ORGANIC CHEMICALS FROM *n*-OCTANOL : WATER PARTITION COEFFICIENT DATA **Patrick Poulin and Kannan Krishnan**

131 ANNOUNCEMENT

NUMBER 2

v EDITORIAL

Original Contributions

133 PCDDs, PCDFs, AND PCBs IN HUMAN MILK FROM DIFFERENT PARTS OF NORWAY AND LITHUANIA **Georg Becher, Janneche Utne Skaare, Anuschka Polder, Brita Sletten, Ole Jørgen Rossland, Helle K. Hansen, and Julius Ptashekas**

149 RETROSPECTIVE APPRAISAL OF THE RELATIONSHIP BETWEEN SKIN IRRITANCY AND CONTACT SENSITIZATION POTENTIAL **T. R. Auton, P. A. Botham, and I. Kimber**

155 ALVEOLAR MACROPHAGE CYTOKINE AND GROWTH FACTOR PRODUCTION IN A RAT MODEL OF CROCIDOLITE-INDUCED PULMONARY INFLAMMATION AND FIBROSIS **Kevin E. Driscoll, James K. Maurer, Janet Higgins, and James Poynter**

171 CHANGES IN PRIMARY AND SECONDARY LYMPHOID ORGAN T-CELL SUBPOPULATIONS RESULTING FROM ACUTE IN VIVO EXPOSURE TO PROPANIL **Wei Zhao, Rosana Schafer, Christopher F. Cuff, Jay Gandy, and John B. Barnett**

183 DIFFERENCES IN XENOBIOTIC DETOXIFYING ACTIVITIES BETWEEN BONE MARROW STROMAL CELLS FROM MICE AND RATS: IMPLICATIONS FOR BENZENE-INDUCED HEMATOTOXICITY **Hong Zhu, Yunbo Li, and Michael A. Trush**

203 POTENTIATION OF CARBON TETRACHLORIDE HEPATOTOXICITY BY INHALED METHANOL: TIME COURSE OF INJURY AND RECOVERY **Jane Ellen Simmons, Anthony McDonald, John C. Seely, and Yusupha M. Sey**

217 COMPARISON OF THERMALLY OXIDIZED LIPIDS AND ACETAMINOPHEN WITH CONCURRENT CONSUMPTION OF ETHANOL AS INDUCERS OF LIVER CIRRHOSIS **F. M. Fouad, F. Shahidi, and O. A. Mamer**

233 ANTIOXIDANT ACTIVITY OF TETRANDRINE AND ITS INHIBITION OF QUARTZ-INDUCED LIPID PEROXIDATION **Xianglin Shi, Yan Mao, Umberto Saffiotti, Liying Wang, Yongyut Rojanasakul, Stephen S. Leonard, and Val Vallyathan**

249 ANESTHETIC IN URINE AS BIOLOGICAL INDEX OF EXPOSURE IN OPERATING-ROOM PERSONNEL **M. Imbriani, S. Ghittori, G. Pezzagno, and E. Capodaglio**

261 ANNOUNCEMENT

NUMBER 3

Rapid Communication

263 EVIDENCE FOR COMMON BINDING OF ACETAMINOPHEN AND BROMOBENZENE TO THE 58-kDa ACETAMINOPHEN-BINDING PROTEIN **José E. Manautou, Edward A. Khairallah, and Steven D. Cohen**

Invited Review

271 INDUCTION OF CYTOCHROME P-450 IN THE NORWAY RAT, *RATTUS NORVEGICUS*, FOLLOWING EXPOSURE TO POTENTIAL ENVIRONMENTAL CONTAMINANTS **Raymond W. Nims and Ronald A. Lubet**

Original Contributions

293 ORGANOCHLORINE RESIDUES IN HUMAN ADIPOSE AND HEPATIC TISSUES FROM AUTOPSY SOURCES IN NORTHERN ITALY **Giovanni Gallelli, Simonetta Mangini, and Claudio Gerbino**

301 RAINBOW TROUT HEPATIC MIXED-FUNCTION OXYGENASE INDUCTION BY POLYCHLORINATED DIBENZO-*p*-DIOXINS (PCDDs) AS A FUNCTION OF TIME AND TISSUE CONCENTRATION **Joanne L. Parrott, Peter V. Hodson, and D. George Dixon**

317 KETONE POTENTIATION OF HALOALKANE-INDUCED HEPATO- AND NEPHROTOXICITY. II. IMPLICATION OF MONOOXYGENASES **Pierre Raymond and Gabriel L. Plaa**

329 EFFECTS OF OZONE ON THE EPITHELIAL AND INFLAMMATORY RESPONSES IN THE AIRWAYS: ROLE OF TUMOR NECROSIS FACTOR **C. Young and D. K. Bhalla**

343 MECHANISMS OF HEPATIC METHYLMERCURY UPTAKE **Nazzareno Ballatori and Anh T. Truong**

355 ORAL BIS(TRI-*n*-BUTYLTIN) OXIDE IN PREGNANT MICE. I. POTENTIAL INFLUENCE OF MATERNAL BEHAVIOR ON POSTNATAL MORTALITY **S. Baroncelli, D. Karrer, and P. G. Turillazzi**

369 ORAL BIS(TRI-*n*-BUTYLTIN) OXIDE IN PREGNANT MICE. II. ALTERATIONS IN HEMATOLOGICAL PARAMETERS **D. Karrer, S. Baroncelli, and P. G. Turillazzi**

379 INTERACTIONS OF RAT RED BLOOD CELL SULFHYDRYLS WITH ARSENATE AND ARSENITE **Shannon L. Winski and Dean E. Carter**

NUMBER 4

Invited Review

399 ARSINE TOXICITY: CHEMICAL AND MECHANISTIC IMPLICATIONS **Walter T. Klimecki and Dean E. Carter**

Original Contributions

411 PULMONARY RESPONSE OF MICE TO FIBERGLASS: CYTOKINETIC AND BIOCHEMICAL STUDIES **I. Y. R. Adamson, H. Prieditis, and C. Hedgecock**

425 GRAIN DUSTS AND GRAIN PLANT COMPONENTS VARY IN THEIR ABILITY TO RECRUIT NEUTROPHILS **Susanna G. Von Essen, Dennis P. O'Neill, Stephen A. Olenchok, Richard A. Robbins, and Stephen I. Rennard**

443 ACID-LABILE ADDUCTS TO PROTEIN CAN BE USED AS INDICATORS OF THE CYSTEINE *S*-CONJUGATE PATHWAY OF TRICHLOROETHENE METABOLISM **Russell J. Eyre, Douglas K. Stevens, Jean C. Parker, and Richard J. Bull**

465 RENAL ACTIVATION OF TRICHLOROETHENE AND *S*-(1,2-DICHLOROVINYL)-L-CYSTEINE AND CELL PROLIFERATIVE RESPONSES IN THE KIDNEYS OF F344 RATS AND B6C3F1 MICE **Russell J. Eyre, Douglas K. Stevens, Jean C. Parker, and Richard J. Bull**

483 RISK ASSESSMENT, LIFE HISTORY STRATEGIES, AND TURTLES: COULD DECLINES BE PREVENTED OR PREDICTED? **Joanna Burger and Steven D. Garber**

501 INSIDIOUS EFFECTS OF A TOXIC ESTUARINE DINOFLAGELLATE ON FISH SURVIVAL AND HUMAN HEALTH **Howard B. Glasgow, Jr., JoAnn M. Burkholder, Donald E. Schmechel, Patricia A. Tester, and Parke A. Rublee**

FOLLOWING PAGE 522:
TITLE PAGE TO VOLUME 46
CONTENTS OF VOLUME 46
AUTHOR INDEX TO VOLUME 46
SUBJECT INDEX TO VOLUME 46